The Future Ocean Atlas
Research, Visualization, Outreach

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Challenges for Future Ocean II

‘Bringing it all together’

• Combining project results to gain new insights
• Easy access to all results
• Intuitive public display
Proposal: Future Ocean Atlas

- Presentation of results on standardized global maps
- All info just two clicks away:
  1. Select spot in the Ocean
  2. Select icon representing type of info
- Use iPad-like user interface
Example Species Richness

Global species richness map, for >9,000 species. www.aquamaps.org
Example Click in North Sea

<table>
<thead>
<tr>
<th>#</th>
<th>Species</th>
<th>Common name</th>
<th>Picture</th>
<th>Map</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><em>Salmo salar</em></td>
<td>Atlantic salmon</td>
<td><img src="image1" alt="Picture" /></td>
<td><img src="image2" alt="Map" /></td>
</tr>
<tr>
<td>2</td>
<td><em>Gadus morhua</em></td>
<td>Atlantic cod</td>
<td><img src="image3" alt="Picture" /></td>
<td><img src="image4" alt="Map" /></td>
</tr>
</tbody>
</table>
Example Cod

2000

2050

Raw data

Suitable habitat
Example Sea Surface Temperature
Example Primary Productivity
Example Tectonic Plates
Example Tsunami Travel Time
Example Fishing Areas
Example EEZs
Example Economics: $r_{\text{max}}$
Example Economics: Discount rate
Example Global Human Impact

NCEAS Map showing human impacts on marine ecosystems, Science 2008
Proposal

New Platform: ‘Future Ocean Atlas’
• Expand knowledge on life in the Ocean
• Combine this with results from all other projects
• Gain new insights
• Reach out

Thank You